

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA2004/000482

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 475 096 A (TUERK CRAIG ET AL) 12 December 1995 (1995-12-12)	
Y	HAMAGUCHI N ET AL: "Aptamer beacons for the direct detection of proteins" ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, NEW YORK, NY, US, vol. 294, no. 2, 15 July 2001 (2001-07-15), pages 126-131, XP002240692 ISSN: 0003-2697 abstract; figure 1b page 127, left-hand column	5-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

29 July 2004

Date of mailing of the international search report

13/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DAVIS JONATHAN H ET AL: "Isolation of high-affinity GTP aptamers from partially structured RNA libraries." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. 3 SEP 2002, vol. 99, no. 18, 3 September 2002 (2002-09-03), pages 11616-11621, XP001183023 ISSN: 0027-8424 abstract figures 4,5	5-8
Y	JHAVERI S ET AL: "In vitro selection of phosphorothiolated aptamers." BIOORGANIC & MEDICINAL CHEMISTRY LETTERS. 8 SEP 1998, vol. 8, no. 17, 8 September 1998 (1998-09-08), pages 2285-2290, XP001183026 ISSN: 0960-894X abstract; figures 1C-C	5-8
Y	SOOTER L J ET AL: "Toward automated nucleic acid enzyme selection." BIOLOGICAL CHEMISTRY. SEP 2001, vol. 382, no. 9, September 2001 (2001-09), pages 1327-1334, XP009034667 ISSN: 1431-6730 abstract	5-8

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International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☐

in written format

☒

in computer readable form

c. time of filing/furnishing

☐

contained in the international application as filed

☒

filed together with the international application in computer readable form

☐

furnished subsequently to this Authority for the purpose of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000482

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5475096	A	12-12-1995	
		US 2002150536 A1	17-10-2002
		US 2003157487 A1	21-08-2003
		US 2002172962 A1	21-11-2002
		US 6124449 A	26-09-2000
		US 2003049644 A1	13-03-2003
		US 6110900 A	29-08-2000
		US 6344318 B1	05-02-2002
		US 5459015 A	17-10-1995
		US 5707796 A	13-01-1998
		US 5472841 A	05-12-1995
		US 5543293 A	06-08-1996
		US 6569620 B1	27-05-2003
		US 5849479 A	15-12-1998
		US 5683867 A	04-11-1997
		US 5503978 A	02-04-1996
		US 5527894 A	18-06-1996
		US 2003077646 A1	24-04-2003
		US 6261774 B1	17-07-2001
		US 5650275 A	22-07-1997
		US 5637459 A	10-06-1997
		US 5648214 A	15-07-1997
		US 5723289 A	03-03-1998
		US 5629155 A	13-05-1997
		US 5756287 A	26-05-1998
		US 6346611 B1	12-02-2002
		US 6344321 B1	05-02-2002
		US 6331394 B1	18-12-2001
		US 6232071 B1	15-05-2001
		US 5641629 A	24-06-1997
		US 5639868 A	17-06-1997
		US 5622828 A	22-04-1997
		US 5705337 A	06-01-1998
		US 6184364 B1	06-02-2001
		US 5637461 A	10-06-1997
		US 5696249 A	09-12-1997
		US 2003176680 A1	18-09-2003
		US 2004043923 A1	04-03-2004
		US 6300074 B1	09-10-2001
		US 5670637 A	23-09-1997
		US 2004058884 A1	25-03-2004
		US 5660985 A	26-08-1997
		US 5750342 A	12-05-1998
		US 5688935 A	18-11-1997
		US 5763566 A	09-06-1998
		US 5712375 A	27-01-1998
		US 5789157 A	04-08-1998
		US 6011020 A	04-01-2000
		US 5864026 A	26-01-1999
		US 5637682 A	10-06-1997